

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/659, 529 A
Source: IFW16
Date Processed by STIC: 12/22/2005

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 12/22/2005

PATENT APPLICATION: US/10/659,529A

TIME: 11:37:51

Input Set : A:\375407US.txt

Output Set: N:\CRF4\12222005\J659529A.raw

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3 <110> APPLICANT: GRAHAM, RONALD J.
4     LEE, LINDA G.
5     NOBLE, RICHARD L.
6     SUN, HONGYE
8 <120> TITLE OF INVENTION: FLUORESCENT ENZYME ASSAY METHODS AND COMPOSITIONS
10 <130> FILE REFERENCE: 375461-007US
12 <140> CURRENT APPLICATION NUMBER: 10/659,529A
13 <141> CURRENT FILING DATE: 2003-09-09
15 <150> PRIOR APPLICATION NUMBER: 60/486,393
16 <151> PRIOR FILING DATE: 2003-07-10
18 <150> PRIOR APPLICATION NUMBER: 60/409,178
19 <151> PRIOR FILING DATE: 2002-09-09
21 <160> NUMBER OF SEQ ID NOS: 44
23 <170> SOFTWARE: PatentIn Ver. 3.3
25 <210> SEQ ID NO: 1
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27 <212> TYPE: PRT
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
32     peptide
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36 <222> LOCATION: (3)
37 <223> OTHER INFORMATION: variable amino acid
39 <220> FEATURE:
40 <221> NAME/KEY: MOD_RES
41 <222> LOCATION: (4)
42 <223> OTHER INFORMATION: Ser or Thr
44 <220> FEATURE:
45 <221> NAME/KEY: MOD_RES
46 <222> LOCATION: (5)
47 <223> OTHER INFORMATION: hydrophobic amino acid
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51     1             5
54 <210> SEQ ID NO: 2
55 <211> LENGTH: 6
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
61     peptide

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63 <220> FEATURE:
64 <221> NAME/KEY: MOD_RES
65 <222> LOCATION: (2)..(3)
66 <223> OTHER INFORMATION: variable amino acid
68 <220> FEATURE:
69 <221> NAME/KEY: MOD_RES
70 <222> LOCATION: (4)
71 <223> OTHER INFORMATION: Ser or Thr
73 <400> SEQUENCE: 2
W--> 74 Arg Xaa Xaa Xaa Phe Phe
      75   1           5
78 <210> SEQ ID NO: 3
79 <211> LENGTH: 4
80 <212> TYPE: PRT
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
85   peptide
87 <220> FEATURE:
88 <221> NAME/KEY: MOD_RES
89 <222> LOCATION: (1)
90 <223> OTHER INFORMATION: Ser or Thr
92 <220> FEATURE:
93 <221> NAME/KEY: MOD_RES
94 <222> LOCATION: (3)
95 <223> OTHER INFORMATION: variable amino acid
97 <220> FEATURE:
98 <221> NAME/KEY: MOD_RES
99 <222> LOCATION: (4)
100 <223> OTHER INFORMATION: Arg or Lys
102 <400> SEQUENCE: 3
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108 <211> LENGTH: 4
109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
114   peptide
116 <220> FEATURE:
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118 <222> LOCATION: (2)
119 <223> OTHER INFORMATION: variable amino acid
121 <220> FEATURE:
122 <221> NAME/KEY: MOD_RES
123 <222> LOCATION: (3)
124 <223> OTHER INFORMATION: Ser or Thr
126 <400> SEQUENCE: 4

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Input Set : A:\375407US.txt

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W--> 127 Pro Xaa Xaa Pro

128 1
 131 <210> SEQ ID NO: 5
 132 <211> LENGTH: 9
 133 <212> TYPE: PRT
 134 <213> ORGANISM: Artificial Sequence
 136 <220> FEATURE:
 137 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 138 peptide
 140 <400> SEQUENCE: 5
 141 Lys Lys Lys Lys Arg Phe Ser Phe Lys
 142 1 5
 145 <210> SEQ ID NO: 6
 146 <211> LENGTH: 8
 147 <212> TYPE: PRT
 148 <213> ORGANISM: Artificial Sequence
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 151 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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 155 <221> NAME/KEY: MOD_RES
 156 <222> LOCATION: (1)
 157 <223> OTHER INFORMATION: variable amino acid
 159 <220> FEATURE:
 160 <221> NAME/KEY: MOD_RES
 161 <222> LOCATION: (3)..(4)
 162 <223> OTHER INFORMATION: variable amino acid
 164 <220> FEATURE:
 165 <221> NAME/KEY: MOD_RES
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 167 <223> OTHER INFORMATION: variable amino acid
 169 <220> FEATURE:
 170 <221> NAME/KEY: MOD_RES
 171 <222> LOCATION: (8)
 172 <223> OTHER INFORMATION: variable amino acid
 174 <400> SEQUENCE: 6

W--> 175 Xaa Arg Xaa Xaa Ser Xaa Arg Xaa

176 1 5
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 181 <212> TYPE: PRT
 182 <213> ORGANISM: Artificial Sequence
 184 <220> FEATURE:
 185 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 186 peptide
 188 <400> SEQUENCE: 7
 189 Leu Arg Arg Leu Ser Asp Ser Asn Phe
 190 1 5
 193 <210> SEQ ID NO: 8

RAW SEQUENCE LISTING

DATE: 12/22/2005

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TIME: 11:37:51

Input Set : A:\375407US.txt

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195 <212> TYPE: PRT
196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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202 <400> SEQUENCE: 8
203 Lys Lys Leu Asn Arg Thr Leu Thr Val Ala
204   1               5               10
207 <210> SEQ ID NO: 9
208 <211> LENGTH: 7
209 <212> TYPE: PRT
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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216 <220> FEATURE:
217 <221> NAME/KEY: MOD_RES
218 <222> LOCATION: (5)
219 <223> OTHER INFORMATION: Glu or Gly
221 <220> FEATURE:
222 <221> NAME/KEY: MOD_RES
223 <222> LOCATION: (6)
224 <223> OTHER INFORMATION: variable amino acid
226 <400> SEQUENCE: 9
W--> 227 Glu Glu Ile Tyr Xaa Xaa Phe
228   1               5
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232 <211> LENGTH: 6
233 <212> TYPE: PRT
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
238     peptide
240 <220> FEATURE:
241 <221> NAME/KEY: MOD_RES
242 <222> LOCATION: (5)
243 <223> OTHER INFORMATION: variable amino acid
245 <220> FEATURE:
246 <221> NAME/KEY: MOD_RES
247 <222> LOCATION: (6)
248 <223> OTHER INFORMATION: Ile or Val
250 <400> SEQUENCE: 10
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252   1               5
255 <210> SEQ ID NO: 11
256 <211> LENGTH: 6
257 <212> TYPE: PRT
258 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING

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Input Set : A:\375407US.txt

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260 <220> FEATURE:
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262 peptide
264 <400> SEQUENCE: 11
265 Ile Tyr Met Phe Phe Phe
266 1 5
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270 <211> LENGTH: 4
271 <212> TYPE: PRT
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
276 peptide
278 <400> SEQUENCE: 12
279 Tyr Met Met Met
280 1
283 <210> SEQ ID NO: 13
284 <211> LENGTH: 5
285 <212> TYPE: PRT
286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
290 peptide
292 <400> SEQUENCE: 13
293 Glu Glu Glu Tyr Phe
294 1 5
297 <210> SEQ ID NO: 14
298 <211> LENGTH: 7
299 <212> TYPE: PRT
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
304 peptide
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307 Leu Arg Arg Ala Ser Leu Gly
308 1 5
311 <210> SEQ ID NO: 15
312 <211> LENGTH: 7
313 <212> TYPE: PRT
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
318 peptide
320 <400> SEQUENCE: 15
321 Arg Gln Gly Ser Phe Arg Ala
322 1 5
325 <210> SEQ ID NO: 16
326 <211> LENGTH: 12
327 <212> TYPE: PRT

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/659,529A

DATE: 12/22/2005
TIME: 11:37:52

Input Set : A:\375407US.txt
Output Set: N:\CRF4\12222005\J659529A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220>

to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 3,4,5
Seq#:2; Xaa Pos. 2,3,4
Seq#:3; Xaa Pos. 1,3,4
Seq#:4; Xaa Pos. 2,3
Seq#:6; Xaa Pos. 1,3,4,6,8
Seq#:9; Xaa Pos. 5,6
Seq#:10; Xaa Pos. 5,6

VERIFICATION SUMMARY

DATE: 12/22/2005

PATENT APPLICATION: US/10/659,529A

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Input Set : A:\375407US.txt

Output Set: N:\CRF4\12222005\J659529A.raw

L:50 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:103 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0